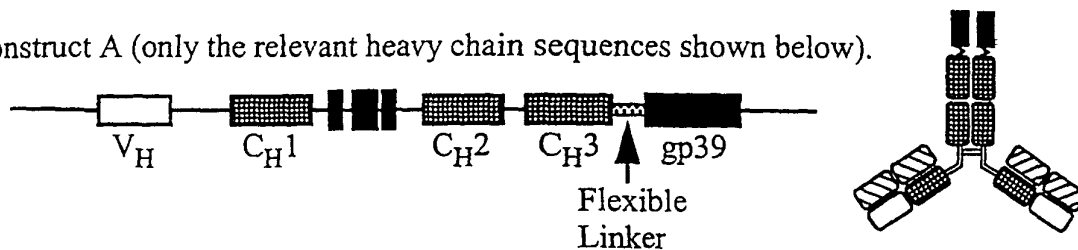
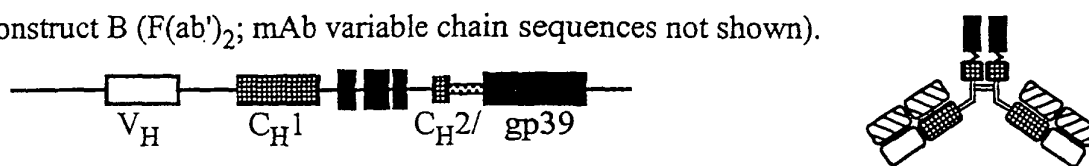


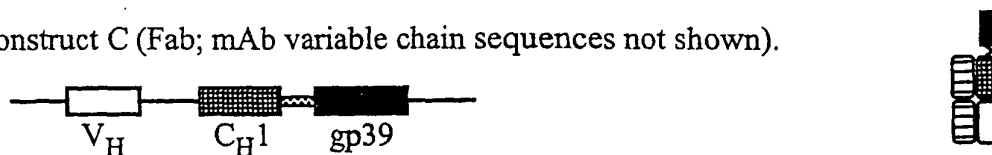
Construct A (only the relevant heavy chain sequences shown below).



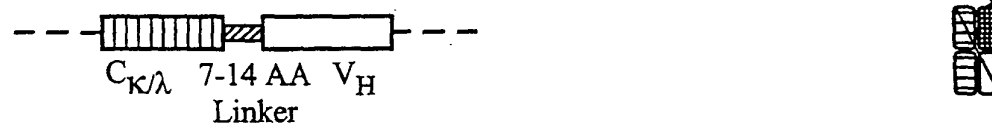
Construct B ($F(ab')_2$; mAb variable chain sequences not shown).



Construct C (Fab; mAb variable chain sequences not shown).



Construct D (Fab w/ $C_{K/\lambda}/V_H$ linked; mAb heavy chain constant domain, mAb light chain variable domain and gp39 sequences not shown).



Construct E (Fv).

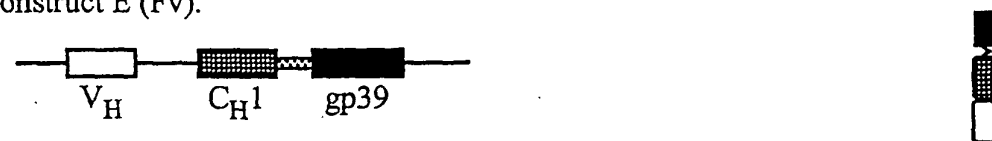


Fig. 1

Proposed TAA-specific mAb/gp39 immunotherapeutic fusion proteins

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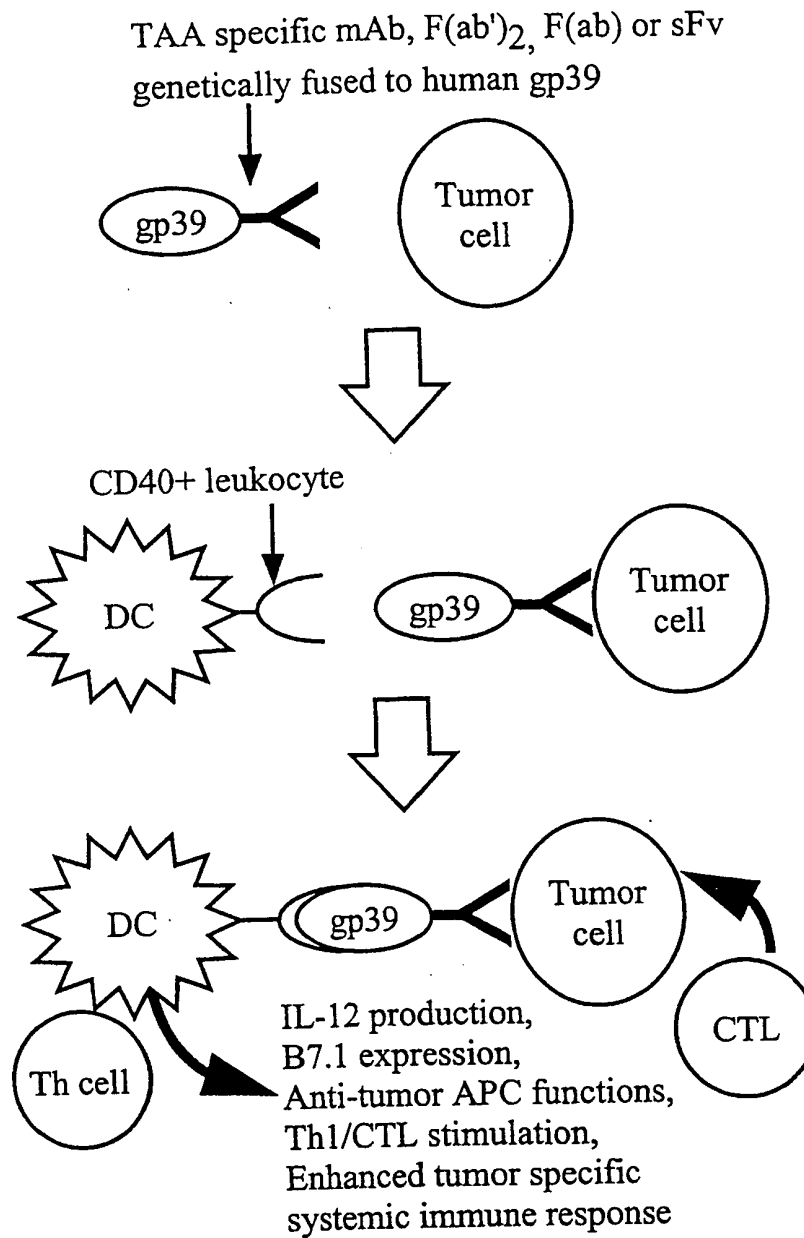


Fig. 2

Anti-tumor immune response induction by a TAA
specific mAb-gp39 chimeric protein